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April 22, 2005

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**GROUP: 1636**

**FAX NUMBER: 1-703-872-9306**

**ATTORNEY DOCKET NO.: UMD-0024**

**SERIAL NO.: 10/820,380**

**FILED: April 7, 2004**

**CUSTOMER NO.: 46046**

**CONFIRMATION NO.: 7651**

**NUMBER OF PAGES: 11**  
**(including this sheet)**

**MESSAGE: Attached is an Amendment Transmittal Letter (in duplicate)**  
**and a Preliminary Amendment.**

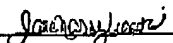
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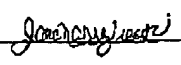
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|   |                                     |                                     |   |                               |                                 |
|---|-------------------------------------|-------------------------------------|---|-------------------------------|---------------------------------|
| <b>AMENDMENT TRANSMITTAL LETTER (Small Entity)</b>  |                                     |                                     |   | Docket No.<br><b>UMD-0024</b> |                                 |
| Applicant(s): <b>Black and Woodbury</b>   |                                     |                                     |   |                               |                                 |
| Application No.<br><b>10/820,380</b>  | Filing Date<br><b>April 7, 2004</b> | Examiner<br><b>Not yet assigned</b> | Customer No.<br><b>46046</b>  | Group Art Unit<br><b>1636</b> | Confirmation No.<br><b>7651</b> |
| Invention: <b>MULTI-LINEAGE DIRECTED INDUCTION OF BONE MARROW STROMAL CELL DIFFERENTIATION</b>  |                                     |                                     |   |                               |                                 |
| <u>COMMISSIONER FOR PATENTS:</u>  |                                     |                                     |   |                               |                                 |
| Transmitted herewith is an amendment in the above-identified application.   |                                     |                                     |   |                               |                                 |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27   |                                     |                                     |   |                               |                                 |
| The fee has been calculated and is transmitted as shown below.  |                                     |                                     |   |                               |                                 |
| <b>CLAIMS AS AMENDED</b>  |                                     |                                     |   |                               |                                 |
|   | CLAIMS REMAINING<br>AFTER AMENDMENT | HIGHEST #<br>PREV. PAID FOR         | NUMBER EXTRA<br>CLAIMS PRESENT  | RATE                          | ADDITIONAL<br>FEE               |
| TOTAL CLAIMS  | 11 -                                | 50 =                                | 0   | x \$25.00                     | \$0.00                          |
| INDEP. CLAIMS   | 5 -                                 | 10 =                                | 0   | x \$100.00                    | \$0.00                          |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |                                     |                                     |   |                               | \$0.00                          |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>  |                                     |                                     |   |                               | <b>\$0.00</b>                   |
| <input checked="" type="checkbox"/> No additional fee is required for amendment.<br><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____<br><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.<br><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. <b>50-1619</b><br><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.<br><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.<br><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.<br><b>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</b> |                                     |                                     |   |                               |                                 |
| <br>_____<br>Signature   |                                     |                                     | Dated: <b>April 22, 2005</b>  |                               |                                 |
| <b>Jane Massey Licata</b><br><b>Reg. No. 32,257</b><br><b>Licata &amp; Tyrrell P.C.</b><br><b>66 E. Main Street</b><br><b>Marlton, NJ 08053</b><br><b>Tel: 856-810-1515</b><br><b>Fax: 856-810-1454</b>   |                                     |                                     | I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____<br>(Date) |                               |                                 |
| cc:   |                                     |                                     | Signature of Person Mailing Correspondence  |                               |                                 |
|   |                                     |                                     | Typed or Printed Name of Person Mailing Correspondence  |                               |                                 |

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|   |                                     |                                     |   |                               |                                 |  |
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| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>  |                                     |                                     |   |                               | <b>\$0.00</b>                   |  |
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| <br>_____<br>Signature   |                                     |                                     | Dated: <b>April 22, 2005</b>  |                               |                                 |  |
| <b>Jane Massey Licata</b><br><b>Reg. No. 32,257</b><br><b>Licata &amp; Tyrrell P.C.</b><br><b>66 E. Main Street</b><br><b>Marlton, NJ 08053</b><br><b>Tel: 856-810-1515</b><br><b>Fax: 856-810-1454</b>   |                                     |                                     | I certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(e)] on _____<br>(Date)<br>_____<br>Signature of Person Mailing Correspondence<br>_____<br>Typed or Printed Name of Person Mailing Correspondence |                               |                                 |  |
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|--|------------------------------|------------------------------|------------------------|
| <b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b>   |                              |                              | Docket No.<br>UMD-0024 |
| Applicant(s): Blank and Woodbury   |                              |                              |                        |
| Application No.<br>10/820,380  | Filing Date<br>April 7, 2004 | Examiner<br>Not yet assigned | Group Art Unit<br>1636 |
| Invention: MULTI-LINEAGE DIRECTED INDUCTION OF BONE MARROW STROMAL CELL<br>DIFFERENTIATION   |                              |                              |                        |
| <p>I hereby certify that this <u>Preliminary Amendment</u><br/>(Identify type of correspondence)</p> <p>is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>703-872-9306</u> )</p> <p>on <u>April 22, 2004</u><br/>(Date)</p> <p><u>Jane Massey Licata</u><br/>(Typed or Printed Name of Person Signing Certificate)</p> <p><u>Jane Massey Licata</u><br/>(Signature)</p> |                              |                              |                        |
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: UMD-0024  
Inventors: Black and Woodbury  
Serial No.: 10/820,380  
Filing Date: April 7, 2004  
Examiner: Not yet assigned  
Customer No.: 46046  
Group Art Unit: 1636  
Confirmation No.: 7651  
Title: Multi-Lineage Directed Induction of Bone Marrow Stromal Cell Differentiation

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On April 22, 2005

Jane Massey Licata  
Jane Massey Licata Registration No. 32,257

Commissioner for Patents  
Washington, DC 20231

Dear Sir:

PRELIMINARY AMENDMENT

Prior to the examination of the above-identified application, Applicants respectfully request the Examiner to enter the following amendments and remarks into the record.

**Amendments to the Claims** are reflected in the listing of claims which begin on page 2 of this paper.

**Remarks** begin on page 7 of this paper.